/\* ----------------------------------------------------------------------------

\* This file was automatically generated by SWIG (http://www.swig.org).

\* Version 4.0.2

\*

\* Do not make changes to this file unless you know what you are doing--modify

\* the SWIG interface file instead.

\* ----------------------------------------------------------------------------- \*/

package com.twitter.ann.faiss;

public class ITQTransform extends VectorTransform {

private transient long swigCPtr;

protected ITQTransform(long cPtr, boolean cMemoryOwn) {

super(swigfaissJNI.ITQTransform\_SWIGUpcast(cPtr), cMemoryOwn);

swigCPtr = cPtr;

}

protected static long getCPtr(ITQTransform obj) {

return (obj == null) ? 0 : obj.swigCPtr;

}

@SuppressWarnings("deprecation")

protected void finalize() {

delete();

}

public synchronized void delete() {

if (swigCPtr != 0) {

if (swigCMemOwn) {

swigCMemOwn = false;

swigfaissJNI.delete\_ITQTransform(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public void setMean(FloatVector value) {

swigfaissJNI.ITQTransform\_mean\_set(swigCPtr, this, FloatVector.getCPtr(value), value);

}

public FloatVector getMean() {

long cPtr = swigfaissJNI.ITQTransform\_mean\_get(swigCPtr, this);

return (cPtr == 0) ? null : new FloatVector(cPtr, false);

}

public void setDo\_pca(boolean value) {

swigfaissJNI.ITQTransform\_do\_pca\_set(swigCPtr, this, value);

}

public boolean getDo\_pca() {

return swigfaissJNI.ITQTransform\_do\_pca\_get(swigCPtr, this);

}

public void setItq(ITQMatrix value) {

swigfaissJNI.ITQTransform\_itq\_set(swigCPtr, this, ITQMatrix.getCPtr(value), value);

}

public ITQMatrix getItq() {

long cPtr = swigfaissJNI.ITQTransform\_itq\_get(swigCPtr, this);

return (cPtr == 0) ? null : new ITQMatrix(cPtr, false);

}

public void setMax\_train\_per\_dim(int value) {

swigfaissJNI.ITQTransform\_max\_train\_per\_dim\_set(swigCPtr, this, value);

}

public int getMax\_train\_per\_dim() {

return swigfaissJNI.ITQTransform\_max\_train\_per\_dim\_get(swigCPtr, this);

}

public void setPca\_then\_itq(LinearTransform value) {

swigfaissJNI.ITQTransform\_pca\_then\_itq\_set(swigCPtr, this, LinearTransform.getCPtr(value), value);

}

public LinearTransform getPca\_then\_itq() {

long cPtr = swigfaissJNI.ITQTransform\_pca\_then\_itq\_get(swigCPtr, this);

return (cPtr == 0) ? null : new LinearTransform(cPtr, false);

}

public ITQTransform(int d\_in, int d\_out, boolean do\_pca) {

this(swigfaissJNI.new\_ITQTransform\_\_SWIG\_0(d\_in, d\_out, do\_pca), true);

}

public ITQTransform(int d\_in, int d\_out) {

this(swigfaissJNI.new\_ITQTransform\_\_SWIG\_1(d\_in, d\_out), true);

}

public ITQTransform(int d\_in) {

this(swigfaissJNI.new\_ITQTransform\_\_SWIG\_2(d\_in), true);

}

public ITQTransform() {

this(swigfaissJNI.new\_ITQTransform\_\_SWIG\_3(), true);

}

public void train(long n, SWIGTYPE\_p\_float x) {

swigfaissJNI.ITQTransform\_train(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x));

}

public void apply\_noalloc(long n, SWIGTYPE\_p\_float x, SWIGTYPE\_p\_float xt) {

swigfaissJNI.ITQTransform\_apply\_noalloc(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x), SWIGTYPE\_p\_float.getCPtr(xt));

}

}